

DERWENT-ACC-NO: 2003-862041

DERWENT-WEEK: 200380

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TITLE: Door hinge keeping opening and closing angle by spring
elasticity

INVENTOR: NA, B H

PATENT-ASSIGNEE: HOIL PRECISION CO LTD[HOILN]

PRIORITY-DATA: 2002KR-0079007 (December 12, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2003060759 A	July 16, 2003	N/A	001	E05F 001/12

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2003060759A	N/A	2002KR-0079007	December 12, 2002

INT-CL (IPC): E05F001/12

ABSTRACTED-PUB-NO: KR2003060759A

BASIC-ABSTRACT:

NOVELTY - A door hinge keeping an opening and closing angle by spring elasticity is provided to shorten the length of a hinge by installing a spring horizontally and diversify the color and design applicable to electronic appliances or cars.

DETAILED DESCRIPTION - The door hinge keeping an opening and closing angle by a spring elasticity contains: a movable hinge part(210) provided with a cylindrical shaft(211) having guide grooves(212); a projection(221) fitting into the guide groove: a cam contact face(222) containing a vertical cam face(224), a stopper(225) and grooves facing each others(223); a movable cam(220) inserted into the shaft part of a movable cam; a fixing hinge(110) with guide projections(112) at regular intervals; a cam face(121) corresponding to a cam contact face(222); a fixing cam(120) with a spring(123) inserted to the shaft(111a,111b) of the fixing hinge along of a guide groove(122); a long bolt(310a) and a long nut(310b) keeping these parts joined together; a cap(330) stopping up the side of the shaft.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: DOOR HINGE KEEP OPEN CLOSE ANGLE SPRING ELASTIC

DERWENT-CLASS: Q47

